

In the Claims:

1. – 28. (Canceled)

29. (Currently Amended) The method of claim 35 [[40]], wherein the plurality of lines form a grid on the surface of the object.

30. – 32. (Canceled)

33. (Currently Amended) The method of claim 35 [[31]], wherein the visible light at a second wavelength is emitted by a visible light source that is strobed at a second predetermined exposure time.

34. (Previously Presented) The method of claim 33, where in the predetermined exposure time for the coherent light source and the second predetermined exposure time for the visible light source are different.

35. (Currently Amended) The method of claim 32, further comprising the steps of: A method of inspecting a structure-bearing surface of an object, said method comprising the steps of: simultaneously forming a plurality of lines on the surface using light emitted from at least one coherent light source at a first wavelength and strobcd at a pre-determined exposure time; moving the lines with respect to the surface; capturing an image of the lines as they move with respect to the surface; determining height information for structures on the surface from the image of the lines; illuminating the surface of the object with visible light at a second wavelength, the second wavelength being different from the first wavelength; capturing a second image of the surface illuminated by the visible light at a second wavelength; determining two-dimensional information for any surface structures by analyzing the second image; illuminating the surface with visible light at a third wavelength, the third wavelength being different from the first and second wavelength; wavelength, wherein the image capturing step includes capturing a third image created by the visible light at the third wavelength; wavelength, and determining two-dimensional information for any surface by analyzing the third image; image wherein the image capturing steps are performed by a camera operable to capture separate images corresponding to light of the first wavelength and of the second wavelength.

36. – 37. (Canceled)

38. (Currently Amended) The method of claim 35[[31]], wherein the two-dimensional information is combined with the height information to create a profile of structures on the surface of the object

39. (Currently Amended) The method of claim 35 [[40]], wherein the height information is determined by integrating a series of height measurements to provide an average height.

40. – 50. (Canceled)